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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/625,984	07/24/2003	Jungwon Shin	INL-059	1711	
22832 Kirkpatrick &	7590 04/10/200 Lockhart Preston Gates		EXAMINER		
Kirkpatrick & Lockhart Preston Gates Ellis LLP STATE STREET FINANCIAL CENTER One Lincoln Street	NOGUEROLA, ALE	NOGUEROLA, ALEXANDER STEPHAN			
One Lincoln Si BOSTON, MA			ART UNIT PAPER NUMBER		
2021011, 1111	· · · · · · · · · · · · · · · · · · ·	1753	-		
SHORTENED STATUTOR	RY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE		
3 MC	ONTHS	04/10/2007	PAPER		

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

	Application No.	Applicant(s)					
	10/625,984	SHIN ET AL.					
Office Action Summary	Examiner	Art Unit					
	ALEX NOGUEROLA	1753					
The MAILING DATE of this communication ap Period for Reply	ppears on the cover sheet with	the correspondence address					
A SHORTENED STATUTORY PERIOD FOR REPL WHICHEVER IS LONGER, FROM THE MAILING I - Extensions of time may be available under the provisions of 37 CFR 1 after SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory period Failure to reply within the set or extended period for reply will, by statu Any reply received by the Office later than three months after the maili earned patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNICA .136(a). In no event, however, may a repl d will apply and will expire SIX (6) MONTH tte, cause the application to become ABAN	TION. y be timely filed S from the mailing date of this communication. DONED (35 U.S.C. § 133).					
Status							
1)⊠ Responsive to communication(s) filed on 26.	January 2007.						
	is action is non-final.						
3) Since this application is in condition for allowa	ance except for formal matter	s, prosecution as to the merits is					
closed in accordance with the practice under	Ex parte Quayle, 1935 C.D.	1, 453 O.G. 213.					
Disposition of Claims			•				
4)⊠ Claim(s) <u>1-55</u> is/are pending in the application	n.						
4a) Of the above claim(s) is/are withdra							
5) Claim(s) is/are allowed.							
6)⊠ Claim(s) <u>1-55</u> is/are rejected.	· /						
7) Claim(s) is/are objected to.	•						
8) Claim(s) are subject to restriction and/	or election requirement.	•					
Application Papers							
9) The specification is objected to by the Examin	ner.						
10)⊠ The drawing(s) filed on 24 July 2003 is/are: a	a) accepted or b) objecte	d to by the Examiner.					
Applicant may not request that any objection to the	e drawing(s) be held in abeyance	e. See 37 CFR 1.85(a).					
Replacement drawing sheet(s) including the corre	ection is required if the drawing(s)	is objected to. See 37 CFR 1.121(d).					
11) The oath or declaration is objected to by the E	Examiner. Note the attached (Office Action or form PTO-152.					
Priority under 35 U.S.C. § 119							
12) Acknowledgment is made of a claim for foreig a) All b) Some * c) None of:	n priority under 35 U.S.C. § 1	19(a)-(d) or (f).					
 Certified copies of the priority documer 	nts have been received.						
Certified copies of the priority documer	nts have been received in App	lication No					
3. Copies of the certified copies of the pri-	*	ceived in this National Stage					
application from the International Burea	, , , ,						
* See the attached detailed Office action for a lis	st of the certified copies not re	ceived.					
Attachment(s)							
1) D Notice of References Cited (PTO-892)	4) 🗍 Interview Sur	nmary (PTO-413)					
2) D Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/l	Mail Date					
 Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 	5) Notice of Info 6) Other:	rmal Patent Application					

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DETAILED ACTION

Response to Amendment

1. The declaration filed on January 25, 2007 under 37 CFR 1.131 ("Declaration") has been considered but is ineffective to overcome the Mansouri reference. On the Oath for the instant application there are three persons listed as inventors: Jungwon Shin, Sohrab Mansouri, and Conlon Dennis. The Declaration itself lists these three persons as inventors. However, only Sohrab Mansouri signed the Declaration. All three inventors must sign the Declaration unless "... it is shown that less than all named inventors of an application invented the subject matter of the claim or claims under rejection. For example, one of two joint inventors is accepted where it is shown that one of the joint inventors is the sole inventor of the claim or claims under rejection ... Thus, where all of the named inventors of a pending application are not inventors of every claim of the application, any affidavit under 35 CFR 1.131 could be signed by only the inventor(s) of the subject matter of the rejected claims" See MPEP 715.04.

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Status of the Rejections pending since the Office action of September 26, 2006

2. All previous rejections are maintained.

Final Rejection

3. THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time

policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE

MONTHS from the mailing date of this action. In the event a first reply is filed within

TWO MONTHS of the mailing date of this final action and the advisory action is not

mailed until after the end of the THREE-MONTH shortened statutory period, then the

shortened statutory period will expire on the date the advisory action is mailed, and any

extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of

the advisory action. In no event, however, will the statutory period for reply expire later

than SIX MONTHS from the mailing date of this final action.

4. Any inquiry concerning this communication or earlier communications from the

examiner should be directed to ALEX NOGUEROLA whose telephone number is (571) 272-

1343. The examiner can normally be reached on M-F 8:30 - 5:00.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's

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supervisor, NAM NGUYEN can be reached on (571) 272-1342. The fax phone number for the

organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Alex Noguerola

Primary Examiner

AU 1753

April 9, 2007

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K&L GATES

Kirkpatrick & Lockhart Preston Gates Ellis LLP State Street Financial Center One Lincoln Street Boston, MA 02111-2950 T 617.261.3100 F 617.261.3175

FAX

Date • 4/5/2007

Pages •

Time • 3:58:31 PM

Transmit To · Examiner Noguerola

Company/Firm •

Telephone No. •

Fax No. • +1 (571) 273-1343

From • Karen Chan

Phone • 617-261-3215

Lawver ID. • 05988

Client ID/Matter No. • 0518960 / 0124

COMMENTS:

Dear Examiner Noquerola,

Per our discussion, attached please find Exhibit A (a redacted Invention Disclosure) which is part of the Declaration of Sohrab Mansouri originally filed on January 25, 2007, in connection with U.S.S.N. 10/625,984.

Best regards, Karen K. Chan 617-261-3215

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INVENTION DISCLOSURE

INVENTORS

MELANIE SHIN SOHRAB MANSOURI **DENNIS CONLON**

DESCRIPTIVE TITLE OF INVENTION

> ADDITION OF CHOLINE CHLORIDE TO CALIBRATION SOLUTIONS FOR THE REDUCTION OF OXYGEN DECAY

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INVENTION DISCLOSURE

INVENTORS:

MELANIE SHIN

SOHRAB MANSOURI DENNIS CONLON

DESCRIPTIVE

TITLE OF

INVENTION:

Addition of Choline Chloride to Calibration Solutions

for the Reduction of Oxygen Decay

DESCRIPTION OF INVENTION

Our recent study found that choline chloride added to the calibration solution significantly reduced oxygen decay rates.

Melanie Shin

Sohrab Mansouri

Dennis Conlon

.... Date: Date:

Read, understood and witnessed by: [. Und... D'ate:

Ciarmataro, Kelly B.

K&L Gates Boston

Page

Figure 1 shows oxygen decay rates of bags with and without choline chloride. Figure 2 shows oxygen decay rates of bags with and without choline chloride in the presence of heparin, which is known to increase oxygen decay rates. In both cases, choline chloride greatly reduced oxygen decay rates.

Based on the conclusion above, the invention of adding choline chloride to calibration solutions to reduce oxygen decay rate is claimed in this patent disclosure. The invention is applicable to any calibration solutions or quality control solutions contained in a sealed bag.

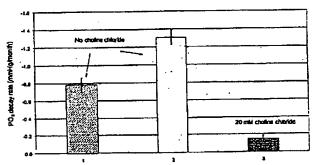


Figure 1. Oxygen decay rates of bags with and without choline chloride. Rate is an average of three bags within a lot and based on six-month shelf life. Error bar represents standard deviation of three bags.

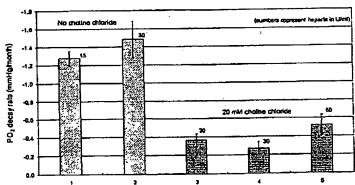


Figure 2. Oxygen decay rates of bags with and without choline chloride in presence of various amounts of heparin.

Melanie Shin Sohrab Mansouri Dennis Conlon Janjum Shi Date:
Date:
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Read, understood and witnessed by fand Davy Date:

4/5/2007 3:58:51 PM

Melanie Shin Sohrab Mansouri Dennis Conlon Jengwin Shi Date

Date

Date

Date

Read, understood and witnessed by Jaul D'Orgin. Date: